

APPENDIX C: COST ESTIMATES

Los Angeles to San Diego via the Inland Empire Section								
			Design Elements					
Sub-Section and Number		Alignment Name	Tunnel	Trench	At Grade (mi)	Aerial (mi)	Total (mi)	Comparative Capital Cost
Los Angeles to Ontario International Airport Sub-Section (S1-A1 through S1-A7)								
Subsection 1 -- Los Angeles to Ontario International Airport	S1-A1	APPROACH OPTIONS TO LAUS1 plus INTERSTATE 10 TO I-605 (I-10)						
	S1-A1.1	I-10 via North above grade approach	0.0	0.0	0.0	14.1	14.1	1.31
	S1-A1.2.1	I-10 via North below grade approaches	2.3	0.0	0.0	12.3	14.6	1.81
	S1-A1.2.2	I-10 via North below grade approaches	1.9	0.0	0.0	12.4	14.3	1.69
	S1-A1.3	I-10 via Mission Road above grade approach	0.0	0.0	0.0	14.8	14.8	1.22
	S1-A1.4	I-10 via Mission Road below grade approach	2.2	0.0	0.0	12.6	14.8	1.67
	S1-A1.5	I-10 via I-5/First Street above grade approach	0.0	0.0	0.0	15.0	15.0	1.16
	S1-A1.6	I-10 via I-5/First Street below grade approach	2.8	0.0	0.0	12.2	15.0	1.78
	S1-A1.7	I-10 via I-5/Sixth Street above grade approach	0.0	0.0	0.0	15.4	15.4	1.20
	S1-A1.8	I-10 via I-5/Sixth Street below grade approach	4.1	0.0	0.0	11.2	15.3	2.05
	S1-A2	STATE ROUTE 60 (SR-60)						
	S1-A2.1	SR-60 via First Street above grade approach	0.0	0.0	0.0	15.7	15.7	1.06
	S1-A2.2	SR-60 via First Street below grade approach	2.3	0.0	0.0	13.4	15.7	1.63
	S1-A2.3	SR-60 via Sixth Street below grade approach	3.2	0.0	0.0	11.2	14.4	1.74
	S1-A3	UNION PACIFIC RAILROAD (UPRR)						
	S1-A3.1	LAUS to east of 605 via UPRR via below grade 6th Street connection to LAUS	2.1	0.0	1.0	11.5	14.5	1.40
	S1-A3.2	LAUS to east of 605 via UPRR via above grade Redondo Junction connection to LAUS	0.0	0.0	1.8	12.8	14.6	1.00
	S1-A4	UPRR ADJACENT						
	S1-A4.1	LAUS to I-605 via land adjacent to the UPRR via 6th Street below grade connection to LAUS	2.1	0.0	0.0	14.6	16.7	1.67
	S1-A4.2	LAUS to I-605 via land adjacent to the UPRR via Redondo Junction above grade connection to LAUS	0.0	0.0	0.8	16.0	16.8	1.27
	S1-A5	I-605/I-10 to Ontario International Airport via Metrolink	0.0	0.0	0.0	23.9	23.9	1.10
	S1-A6	I-10 AND HOLT						
	S1-A6.1	I-605/I-10 to Ontario International Airport via I-10/Holt, Holt Boulevard above grade approach	4.6	0.0	0.0	17.3	21.9	1.79
	S1-A6.2	I-605/I-10 to Ontario Airport via I-10/First Street/State Street	4.6	0.0	0.0	17.3	21.9	1.78
	S1-A7	UPRR from east of I- 605 to Ontario Intl. Airport (A7)	0.0	0.0	12.4	12.5	24.9	1.00

Ontario International Airport to Murrieta/Temecula Sub-Section (S2-A1 through S2-A4)							
Sub-Section 2-Ontario International Airport to Murrieta/Temecula	S2-A1	MetroLink Corridor through San Bernadino and south along the I-215					
	S2-A1.1	San Bernadino/I-215 through Riverside via Chicago Avenue	3.6	0.0	10.8	53.9	68.3 1.17
	S2-A1.2	San Bernadino/I-215 through Riverside via Iowa Avenue	4.0	0.0	15.1	48.7	67.8 1.08
	S2-A1.3	San Bernadino/I-215 through Riverside via UC Riverside	4.2	0.0	14.2	49.1	67.5 1.22
	S2-A2	UPRR Corridor through Riverside and south along the I-215					
	S2-A2.1	Riverside/I-215 through Riverside via Chicago Avenue	3.6	0.0	4.3	51.8	59.7 0.95
	S2-A2.2	Riverside/I-215 through Riverside via Iowa Avenue	4.0	0.0	8.6	46.6	59.2 0.86
	S2-A2.3	Riverside/I-215 through Riverside via UC Riverside	4.2	0.0	7.7	47.0	58.9 1.00
	S2-A3	I-10 Corridor through Riverside and south along the I-215					
	S2-A3.1	I-10 through Riverside/I-215 via Chicago Avenue	3.6	0.0	4.3	51.9	59.8 0.94
	S2-A3.2	I-10 through Riverside/I-215 via Iowa Avenue	4.0	0.0	8.6	46.7	59.3 0.86
	S2-A3.3	I-10 through Riverside/I-215 via UC Riverside	4.2	0.0	7.7	47.1	59.0 0.99
	S2-A4	I-15 Corridor					
	S2-A4.1	I-15 Corridor - Milliken/Hamner to Corona	1.8	0.0	3.6	47.1	52.5 0.74
	S2-A4.2	I-15 Corridor - I-15 to Corona	3.1	0.0	5.6	44.0	52.8 0.81

Murrieta/Temecula to San Diego Sub-Section (S3-A1 through S3-B2)								
Sub-Section 3-Murrieta/Temecula to San Diego	S3-A1	Murrieta/Temecula to SDIA via SR 56 and LOSSAN Corridor	3.1	0.0	8.5	49.3	60.9	1.03
	S3-A2	Murrieta/Temecula to San Diego Alternative Routes						
	S3-A2.1	Murrieta/Temecula to SDIA via I-15 to Mira Mesa and LOSSAN Corridor - Carroll Canyon	7.2	0.0	7.5	44.7	59.4	1.19
	S3-A2.2	Murrieta/Temecula to SDIA via I-15 to Mira Mesa and LOSSAN Corridor - University City	7.4	0.0	7.5	44.2	59.1	1.33
	S3-A2.3	Murrieta/Temecula to SDIA via I-15 to Mira Mesa and LOSSAN Corridor - Rose Canyon	3.1	0.0	10.2	45.5	58.8	1.00
	S3-A3	Murrieta/Temecula to SDIA via SR163 and I-8	7.1	0.0	3.7	46.5	57.2	1.16
	S3-A4	Murrieta/Temecula to SDIA via I-15 and I-8	3.1	0.0	4.5	50.1	57.7	1.02
	S3-A5	Murrieta/Temecula to Qualcomm Stadium via I-15 and terminate	3.1	0.0	3.7	44.2	50.9	0.93
	S3-B1	ESCONDIDO DESIGN OPTIONS (From Country Club to Via Rancho Parkway)						
	S3-B1.1	Escondido Station I-15 Option	0.0	0.0	1.4	6.7	8.1	0.94
	S3-B1.2	Escondido Station Centre City Parkway Option (below grade)	4.7	0.0	0.0	3.5	8.2	3.90
	S3-B1.3	Escondido Station Centre City Parkay Option (above grade)		0.0	0.0	8.2	8.2	1.00
	S3-B2	Downtown San Diego Station Option (SDIA to Santa Fe Depot)						
	S3-B2.1	Downtown San Diego Station Option (Above Grade Option)	0.0	0.0	0.0	1.6	1.6	N/A
S3-B2.2	Downtown San Diego Option (Below Grade Option)	0.0	1.6	0.0	0.0	1.6	N/A	